

# 辽宁省蝗虫一新属新种

## (直翅目: 剑角蝗科)

张凤岭 郑一平 任炳忠

(东北师范大学生物系 长春 130024)

1990年7月,在辽宁省大连地区进行调查采集时,发现剑角蝗科一新属新种,现报道如下。模式标本保存在东北师范大学生物系动物标本室。

### 拟直背蝗属 *Euthystiroides* 新属

属征<sup>[1,2]</sup>: 体匀称,较细长。头顶短,其顶角圆钝,从复眼前缘到头顶顶端的距离短于复眼前的最宽处,中央纵隆线明显。头侧窝缺如。颜面侧观颇向后倾斜,颜面隆起明显,具纵沟,较狭,中单眼之下较宽。触角剑状,基部数节较宽,端半部较细,其长超过前胸背板后缘。前胸背板中隆线明显,侧隆线平行。沟前区明显大于沟后区。前翅较短,不到达后足股节的中部,在背部分开不毗连;后缘近端部略向内凹。后翅退化短小。后足股节细长,匀称,内侧下隆线处具发音齿;上侧中隆线光滑,端部具短刺;下膝侧片顶端尖圆。后足跗节第一节与第三节近等长。鼓膜孔半圆形。尾须锥形。下生殖板锥形,顶端较尖。

雌性: 未知;

模式种: 大连拟直背蝗 *Euthystiroides dalianensis* 新种。

本新属近似直背蝗属<sup>[1,2,3]</sup> *Euthystira* Fieber, 但新属雄性前翅狭短,在背部彼此不毗连,后足跗节第一节与第三节等长,可与其区别。

### 大连拟直背蝗 *Euthystiroides dalianensis* 新种(图1—6)

雄虫 体中小型,细长,匀称。头部较大,短于前胸背板之长。头顶短,其顶角圆钝,中隆线明显。两复眼间的宽度为复眼前到头顶长度的1.35倍。头侧窝缺如。颜面侧观颇向后倾斜,与头顶呈锐角。颜面隆起明显,全长具较狭深纵沟,自中单眼之下到唇基渐展开。复眼长卵圆形,其垂直直径为水平横径的1.42倍。触角剑状,21节,其长略超过前胸背板后缘,第3—7节较宽,端部之半逐渐变细,其中段一节长为宽的1.60倍。前胸背板前缘较平直,后缘圆,中央具不明显的角形凹入;中隆线明显,两侧隆线较低,全长平行;前横沟和后横沟明显,仅后横沟切断中、侧隆线;沟前区长度为沟后区长度的1.56倍。中隆线与侧隆线间具网状斑纹。前胸腹板前缘中央具圆形隆起。中胸腹板侧叶宽大于长,内缘圆弧形,中隔长为其最狭处的1.43倍。后胸腹板中隔全长彼此分开。前翅较短狭,不到达后足股节的中部,仅到达第三腹节的后缘,背部不毗连,后缘近末端略向内凹,翅端向上弯曲,中脉域无中闰脉。后翅退化,仅到达第一腹节中部。后足股节匀称,长为宽的4.75

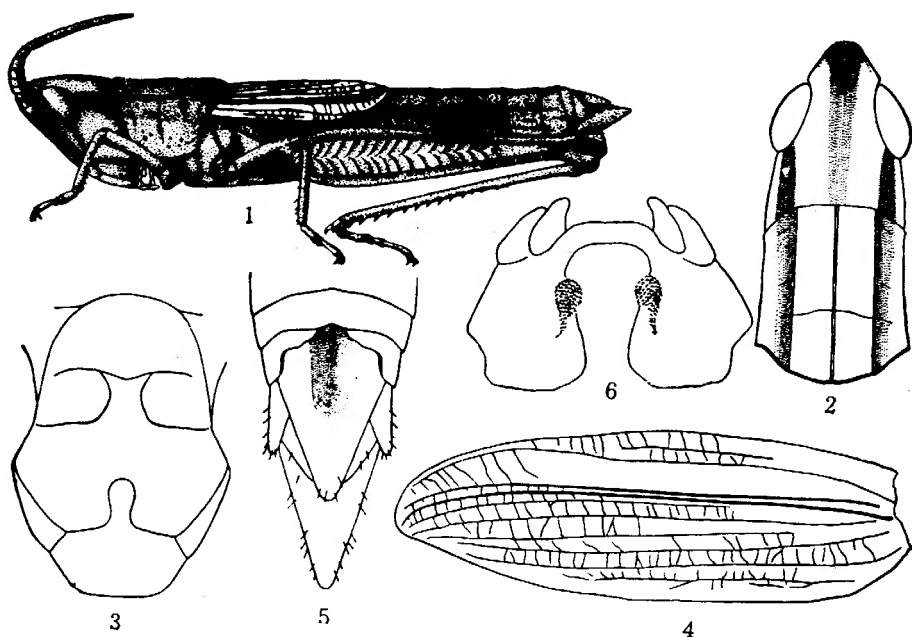


图 1—6 大连拟直背蝗 *Euthystiroides dalianensis* sp. nov.

1. 整体侧观; 2. 头、前胸背板背面观; 3. 中、后胸腹板腹面观; 4. 前翅; 5. 腹末端背面观;  
6. 阳具基背片。

倍;上隆线光滑,端部突出呈短刺状;内侧下隆线处具一系列发音齿(图版 I:a,b),基部至中、端部音齿形状呈刚毛状和钝圆锥状不等,后足股节外侧下膝侧片端部略圆。后足胫节缺外端刺,内缘具刺 13—14 个,外缘具刺 14 个。后足第一跗节与第三节等长。跗节爪间中垫超过爪的中部。腹部第一节鼓膜器明显,鼓膜孔半圆形。肛上板三角形,基半部中央具浅纵沟。尾须锥形,长超过肛上板侧缘中部。下生殖板圆锥形,端部较尖。阳具基背片如图 6。

体黄褐色,头顶具黑褐色纵带纹。复眼后方及前胸背板侧隆线之下具一黑褐色纵带纹。前翅前缘脉域基部至中部具黄白色纵带纹,亚前缘脉和径脉黑色,末端黄褐色。

雌性: 未知。

体长: ♂21.1—21.9mm; 前翅长: ♂6.1mm; 前胸背板长: ♂4.2—4.3mm; 后足股节长: 11.8—12.1mm。

正模♂,副模 1♂, 辽宁大连 (246m), 1990. VII. 3, 张凤岭、郑一平、任炳忠采。

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## A NEW GENUS AND A NEW SPECIES OF GRASSHOPPERS FROM LIAONING PROVINCE (ORTHOPTERA:ACRIDIDAE)

Zhang Fengling Zheng Yiping Ren Bingzhong

(Biology Department, Northeast Normal University Changchun 130024)

**Abstract** In this paper a new genus and a new species of grasshopper from Liaoning Province are described. Type specimens are deposited in Biology Department, Northeast Normal University.

### *Euthystiroides* gen. nov.

Size well-balanced. Head shorter. Foveolae absent. Face distinctly oblique in profile, with sulcus throughout; antennae ensiform, reaching beyond the hind margin of pronotum. The median keel of pronotum distinct and lateral keels parallel. The prozona is longer than the metazona distinctly. The elytra shorter, does not reach the middle of the hind femur; and it does not adjoin each other on the back. Hind femur slender, inner side of it of male provided with a row of stridulatory pegs. The tip of lower knee-lobes slightly round. The length of first joint of hind tarsus almost equal to the third one. Subgenital plate of male conical, the top of it sharpening.

Female unknown.

The new genus is allied to *Euthystira* Fieber. It differs from *Euthystira* Fieber by: 1) The elytra of male narrow and short, and doesn't adjoin each other on the back. 2) The length of first joint of hind tarsus equal to the third one.

Type species: *Euthystiroides dalianensis* sp. nov.

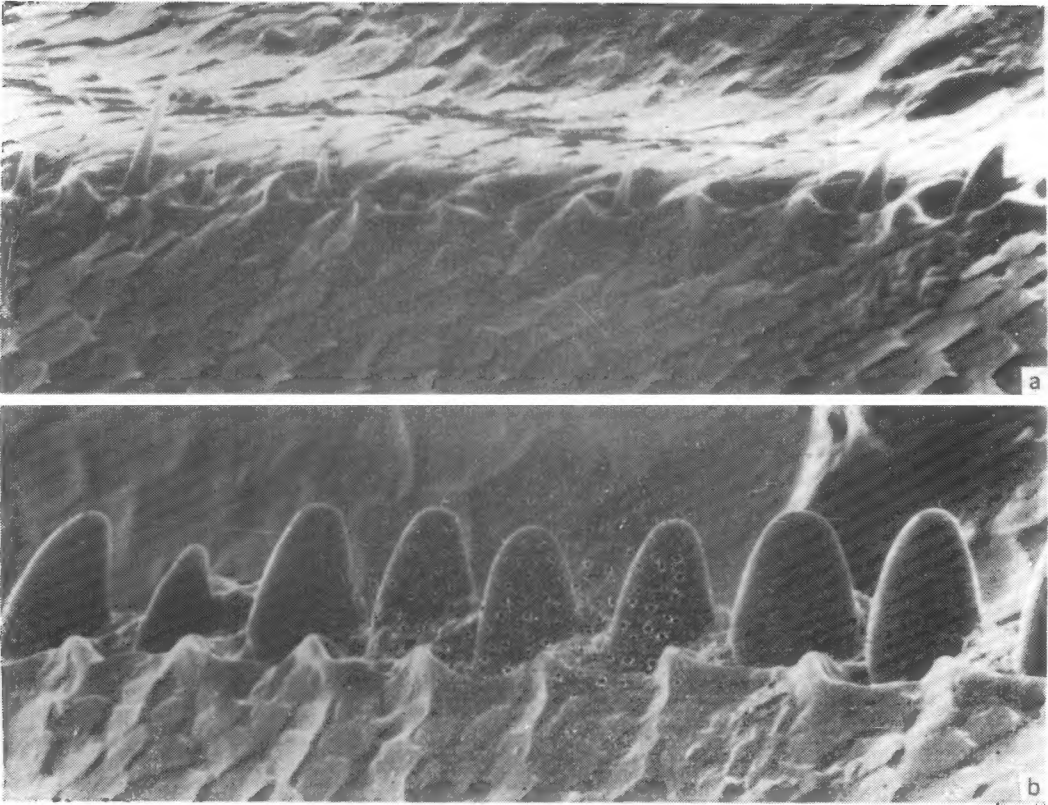
### *Euthystiroides dalianensis* Zhang, Zheng sp. nov. (figs. 1—6)

Male: Body yellow-brown. The head has blackish-brown vertical-line, the subcosta and radial vein in the base is black.

Female unknown.

Length of body: ♂ 21.1—21.9mm; Length of elytra: ♂ 6.1mm; Length of pronotum: ♂ 4.2—4.3mm; Length of hind femur: ♂ 11.8—12.1mm.

Holotype ♂, paratype ♂, Liaoning Dalian, elev 246m, July 3, 1990, collected by Zhang Fengling, Zheng Yiping and Ren Bingzhong.



大连拟直背蝗 *Euthystiroides dalianensis* sp. nov. 音齿列

a. 基段； b. 中段。